will give a continuous indication of the charging current during charging.

[51 FR 31213, Sept. 2, 1986, as amended at 58 FR 44954, Aug. 25, 1993]

§ 80.1017 Antenna system.

(a) An antenna must be provided for nonportable bridge-to-bridge radiotelephone installations which is nondirectional and vertically polarized. The construction and installation of this antenna must insure proper operation in time of an emergency.

(b) In cases where portable bridge-to-bridge equipment is permanently associated with a vessel, the equipment must be provided with a connector for an external antenna of a type capable of meeting requirements of paragraph (a) of this section and §80.71. The vessel must be equipped with an external antenna meeting requirements of paragraph (a) of this section and §80.71, capable of use with the portable equipment during a normal listening watch.

§ 80.1019 Antenna radio frequency indicator.

Each nonportable bridge-to-bridge transmitter must be equipped, at each point of control, with a carrier operated device which will provide continuous visual indication when the transmitter is supplying power to the antenna transmission line or, in lieu thereof, a pilot lamp or meter which will provide continuous visual indication when the transmitter control circuits have been placed in a condition to activate the transmitter.

[52 FR 35246, Sept. 18, 1987]

§ 80.1021 Nameplate.

A durable nameplate must be mounted on the required radiotelephone or be an integral part of it. When the transmitter and receiver comprise a single unit, one nameplate is sufficient. The nameplate must show at least the name of the manufacturer and the type or model number.

§ 80.1023 Test of radiotelephone installation.

Unless normal use of the required radiotelephone installation demonstrates that the equipment is in proper operating condition, a test communication for this purpose must be made by a qualified operator each day the vessel is navigated. If the equipment is not in proper operating condition, the master must be promptly notified. The master must have it restored to effective operating condition as soon as possible.

Subpart V—Emergency Position Indicating Radiobeacons (EPIRB's)

§ 80.1051 Scope.

This subpart describes the technical and performance requirements for Classes A, B, C, and S, and Categories 1, 2, and 3 EPIRB stations.

[53 FR 37308, Sept. 26, 1988]

§ 80.1053 Special requirements for Class A EPIRB stations.

(a) A Class A EPIRB station must meet the following:

(1) Float free of a sinking ship;

(2) Activate automatically when it floats free of a sinking ship;

(3) Have an antenna that deploys automatically when the EPIRB activates;

(4) Use A3X emission on a mandatory basis and A3E and NON emissions on an optional basis on the frequencies 121.500 MHz and 243.000 MHz;

(5) Transmission of A3E or NON emission must not exceed 90 seconds and must be followed by a transmission of at least three minutes of A3X emission; each transmission of a synthesized and/or pre-recorded voice message must be preceded by the words ''this is a recording'';

(6) The effective radiated power must not be less than 75 milliwatts after 48 hours of continuous operation and without replacement or recharge of batteries.

(7) The mandatory A3X emission must be amplitude modulated with an audio signal swept downward between 1600 and 300 Hz. The sweeping range of the audio signal must be 700 Hz or greater. Its sweep repetition rate must be between 2 and 4 times per second. The modulation factor must be at least 0.85 and the modulation duty cycle must be at least 33%, but not more that 55%.

(8) EPIRBs manufactured on or after October 1, 1988; EPIRBs carried as part